開泰科技有限公司
KEYTEC TECHNOLOGY CO.,LIMITED

# Play RGB controller
# Manual Operation
# Play RGB 控制器使用手册

电话 Tel:86-756-2613707 / 2613768
传真 Fax:86-756-2613792
Website :Http://www.keytecled.com
Email : info@keytecled.com

# Model : Play RGB I

**Product Introduction**

- Clarity, easy operation and an intuitive interface characteristics this new type of RGB remote control. outstandingly successful technical solution to this complicated problem.
- The round control panel facilitates quick and easy activation of the respective colour selection.
- The remote control is particularly suitable for use in bars, pubs , shops or anywhere where frequent colour changes are desired.

**Technical Parameter**

- Power Supply:
  Input Voltage: 12-32VDC (RX)
  3.7V DC, 850mAh (TX)
- Transmission: RF
- Modulation type: FSK
- Frequency: 434.3MHz
- Remote Distance: 20 meters
- Wireless
- Automatic parameter memory
- Totally:32768 kinds of color
- 256 step speed
- Can adjust the brightness from 0 to 100%
- Size for remote control: 126mm*55mm*16mm
- Size for receptor: 145mm*20mm*18mm
- Includes with 1.5meter length USB connecter
- It comes with rechargeable lithium batteries inside
- 1 years warranty

**Application Sites**

- Building Decoration: Business spaces,airports,subway;
- Indoor Decoration: Lighting and back lighting for hospital, hotel, marketplace, square, dining-room, pub and etc.;
- AD solid Word,sign and mark,signboard and billboard;
- Be used as big area back lighting source.

## Remove control interface instruction

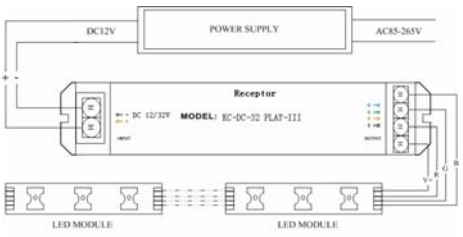
1. Color wheel
2. Power on/off
3. P for multi color setting
4. Brightness +
5. Brightness -
6. Speed +
7. Speed -
8. M memory for start flashing
9. 1-10 channels
10. USB connetor for charger

Play IV-KS-RGB-04

## Receptor interface instruction

1. DC input 12-32VDC
2. Indicator light
3. Learn button
4. RGB output
5. Plus output

**Wiring Diagram**




**General Instruction：**

a) Press ON/OFF button, the backlighting of controller will be on

b) Controller need to “ learn “ the receptor first, click the learn button of receptor with a nib, indicator light on the receptor will be on. press any number “0-9” from number region in controller, and touch any color from color wheel, indicator light of the receptor you clicked will flashing about 1-2 seconds, which means receptor already recognised the “Number” from controller. other receptors can be “ Learned “ in the same way.

c) Max 10 Color for one Play I sender.

d) The distance between receptors must be over 0.5 meter.

e) There are 3 channel RGB control on the receptor , the max current of each channel up to 3 A, If it is not enough for power consumption, you can use data repeater to get synchronous changing signal.

f) Remote controller will be in sleeping mode if no operation within 10 seconds. You need to activate on/off button for operate.

g) After setting finished, keep the controller within 20 meters from recepter.

**A. Single color setting：**

a) After on the controller, press any number from “0-9” on the sender, this mean the store the color The wheel have three color, select the color and mix them together.

b) Select color. The last position is the color you choice..

**B. Multi color gradully change setting：**

a) First Press “**P**” (Program- P have the function to keep the memory when your finger press the color wheel in the circle)

b) Select your favorite color store. Such as 5.6.7, them press P.

**c)** Press “**<**“ or “**>**“ between “**M**”, you can control the speed for the lighting flash.

**d)** Brightness can be changed by +/-

e) The system is simply activated by the on/off key, this shall also recall the last color scene when re – activated.

**Warning:**

The hand held controller is operated by light touch only. Heavy pressing or using sharp or solid objects is not recommended as this could damage the unit. In case the system does not respond to selections made, simply check batteries, the RED led will flashing in remove controller if power is empty. Batteries can be recharged by computer or recharger. After recharging finished. the Blue LED will OFF.

Do not submerse the hand held controller in water or allow any liquid to come in contact with it, as this will damage the unit unusable. The hand held controller can be cleaned by using a damp cloth only.

To achieve good performance for the battery. The idea charging time is about 12 hours at the first three times.

Manufacturer is not responsible for the bad quality and damage caused by open the device without permission.

FCC ID:

This device complies with part 15 of the FCC rules, Operation is subject to the following two conditions:

(1) this device may not cause harmful interference ,and (2 )interference received, including interference that may cause undesired operation.

*This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may*

*cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:*

*Reorient the receiving antenna.*

*Increase the separation between the equipment and receiver.*

*Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.*

*Consult the dealer or an experienced radio/TV technician for help.*

*Any special accessories needed for compliance must be specified in the instruction manual.*

*You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.*

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## Model : Play RGB II

**Product Introduction**

- Clarity, easy operation and an intuitive interface characteristics this new type of RGB remote control. outstandingly successful technical solution to this complicated problem.
- The round control panel facilitates quick and easy activation of the respective colour selection.
- The remote control is particularly suitable for use in bars, pubs , shops or anywhere where frequent colour changes are desired.

**Technical Parameter**

- Power Supply:
  Input Voltage: 12-32 V DC (RX)
  3.7V DC, 850mAh (TX)
- Transmission: RF
- Modulation type: FSK
- Frequency: 434.3MHz
- Remote Distance: 20 meters
- Wireless
- Automatic parameter memory
- Totally:32768 kind of color
- 256 step speed
- Can adjust the brightness from 0 to 100%
- Size for remote control: 126mm*55mm*16mm
- Size for receptor: 145mm*20mm*18mm
- Includes with 1.5 meter length USB connecter
- It comes with rechargeable lithium batteries inside
- 1 years warranty

**Application Sites**

- Building Decoration: Business spaces,airports,subway;
- Indoor Decoration: Lighting and back lighting for hospital, hotel, marketplace, square, dining-room, pub and etc.;
- AD solid Word,sign and mark,signboard and billboard;
- Be used as big area back lighting source.

## Remove control interface instruction

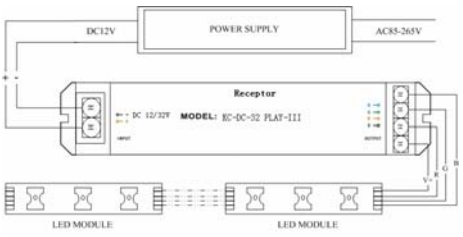
1. Color wheel
2. Power on/off
3. P for multi color setting
4. Brightness +
5. Brightness -
6. Speed +
7. Speed -
8. M memory for start flashing
9. 1-10 channels
10. USB connetor for charger

Play IV-KS-RGB-04

## Receptor interface instruction

1. DC input 12-32VDC
2. Indicator light
3. Learn button
4. RGB output
5. Plus output

**Wiring Diagram**




**General Instruction：**

h) Press ON/OFF button, the backlighting of controller will be on

i) Controller need to “ learn “ the receptor first, click the learn button of receptor with a nib, indicator light on the receptor will be on. press any number “0-9” from number region in controller, and touch any color from color wheel, indicator light of the receptor you clicked will flashing about1-2 seconds, which means receptor already recognised the “Number” from controller. other receptors can be “ Learned “ in the same way.

j) The distance between receptors must be over 0.5 meter.

k) There are 3 channel RGB control on the receptor , the max current of each channel up to 3 A, If it is not enough for power consumption, you can use data repeater to get synchronous changing signal.

l) Remote controller will be in sleeping mode if no operation within 10 seconds. You need to activate on/off button for operate.

m) After setting finished, keep the controller within 20 meters from recepter.

**color setting：**

c) After on the controller, press any number from “0-9” on the sender, the color scene connected to the receptor which already recognized the number from controller will be changed and can be adjusted by slightly moving your finger from the left or from the right on the color wheel. The wheel have three color, select the color and mix them together.

d) Once the color scene has been selected, press + or – to adjust light intensity.

e) The system is activated by the on/off key. This shall also recall the last color scene when re-activated, just press the number key of receptor on the sender.

f) Each color can be single ON/OFF.

**Warning:**

The hand held controller is operated by light touch only. Heavy pressing or using sharp or solid objects is not recommended as this could damage the unit. In case the system does not respond to selections made, simply check batteries, the RED led will flashing in remove controller if power is empty. Batteries can be recharged by computer or recharger. After recharging finished. the Blue LED will OFF.

Do not submerse the hand held controller in water or allow any liquid to come in contact with it, as this will damage the unit unusable. The hand held controller can be cleaned by using a damp cloth only.

To achieve good performance for the battery. The idea charging time is about 12 hours at the first three times.

Manufacturer is not responsible for the bad quality and damage caused by open the device without permission.

FCC ID:

This device complies with part 15 of the FCC rules,

Operation is subject to the following two conditions:
(1) this device may not cause harmful interference ,and (2 )interference received, including interference that may cause undesired operation.

*This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:*

*Reorient the receiving antenna.*

*Increase the separation between the equipment and receiver.*

*Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.*

*Consult the dealer or an experienced radio/TV technician for help.*

*Any special accessories needed for compliance must be specified in the instruction manual.*

*You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.*

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# Model : Play RGB III

**Product Introduction**

- Clarity, easy operation and an intuitive interface characteristics this new type of RGB remote control, outstandingly successful technical solution to this complicated problem.
- The round control panel facilitates quick and easy activation of the respective colour selection.
- The remote control is particularly suitable for use in bars, pubs , shops or anywhere where frequent colour changes are desired.

**Technical Parameter**

- Power Supply:
  Input Voltage: 12-32V DC (RX)
  3.7V DC, 850mAh (TX)
- Transmission: RF
- Modulation type: FSK
- Frequency: 434.3MHz
- Remote Distance:Max 20 meters
- Wireless
- Automatic parameter memory
- Totally 96 recall full-color
- 256 step speed.
- Can adjust the brightness from 0 to 100%
- Size for remote control: 126mm*55mm*16mm
- Size for receptor: 145mm*20mm*18mm
- Includes with 1meter length USB connecter and a rechargeable lithium batteries inside
- 1 years warranty

**Application Sites**

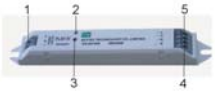
- BuildingDecoration:Business ,spaces,airports,sub way;
- Indoor Decoration: Lighting and back lighting for hospital, hotel,marketplace, square, dining-room, pub and etc.;
- AD solid Word,sign and mark,signboard and billboard;
- Be used as big area back lighting source.

## Remove control interface instruction

1. Color wheel
2. Power on/off
3. P for multi color setting
4. Brightness +
5. Brightness -
6. Speed +
7. Speed -
8. M memory for start flashing
9. USB connetor for charger

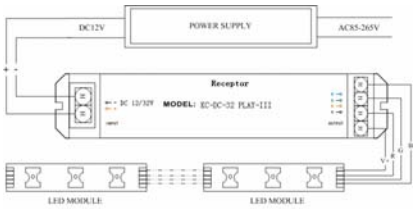
Play III- KS-RGB-03

## Receptor interface instruction




1. DC input 12-32VDC
2. Indicator light
3. Learn button
4. RGB output
5. Plus output

**Wiring Diagram:**



**General Instruction：**

a) Press ON/OFF button,the backlighting of remote control will be on, next press study button on the receptor with a nip. the indicator light in the receptor will be on.

b) Touch any color from color wheel, the indicator light will flash. It mean receptor had learned. A remote control can be used with many pcs of receptors.

c) There are 3 channel RGB control on the receptor , the max current of each channel up to 3 A, If Power consumption is not enough, you can use general repeater to get synchronous changing signal.

d) Remote controller will be in sleeping mode if no operation within 10 seconds. You need to activated on/off button to operate

e) After setting finished, keep the controller within 20 meters from recepters.

**A. Single color setting：**

a) The color scene will be change and can be adjusted by slight moving the finger to the left or to the right.

**b)** Once the color scene has been selected, simply press **+ or -** to adjust light intensity.

c) The system is simply activated by the on/off key. This shall also recall the last color scene when re-activated.

**B. Multi color gradully change setting：**

f) First Press "**P**" (Program- P have the function to keep the memory when your finger press the color wheel in the circle)

g) Select your favorite color along with the color wheel, for example, press the wheel button from red to blue, the max can select 10 different parts. then press "**P**" button for confirm, once confirmed the program, press "**M**" to start.

h) Simply press + or - to adjust color intensity.

**i)** Press "**<**" or "**>**" between "**M**", you can control the speed for the lighting flash.

j) The system is simply activated by the on/off key, this shall also recall the last color scene when re – activated.

**Warning:**

The hand held controller is operated by light touch only. Heavy pressing or using sharp or solid objects is not recommended as this could damage the unit. In case the system does not respond to selections made, simply check batteries, the RED led will flashing in remove controller if power is empty. Batteries can be recharged by computer or recharger. After recharging finished. the Blue LED will OFF.

Do not submerse the hand held controller in water or allow any liquid to come in contact with it, as this will damage the unit unusable. The hand held controller can be cleaned by using a damp cloth only.

To achieve good performance for the battery. the idea charging time is about 12 hours at the first three times after power is empty.

Manufacturer is not responsible for the bad quality and damage caused by open the device without permission.

FCC ID: WTL032

This device complies with part 15 of the FCC rules, Operation is subject to the following two conditions:

(1) this device may not cause harmful interference ,and (2 )interference received, including interference that may cause undesired operation.

*This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:*

*Reorient the receiving antenna.*

*Increase the separation between the equipment and receiver.*

*Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.*

*Consult the dealer or an experienced radio/TV technician for help.*

*Any special accessories needed for compliance must be specified in the instruction manual.*

*You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.*

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## Model : Play RGB IV

**Product Introduction**

- Clarity, easy operation and an intuitive interface characteristics this new type of RGB remote control. outstandingly successful technical solution to this complicated problem.
- The round control panel facilitates quick and easy activation of the respective colour selection.
- The remote control is particularly suitable for use in bars, pubs , shops or anywhere where frequent colour changes are desired.

**Technical Parameter**

- Power Supply:
  Input Voltage: 12-32VDC (RX)
  3.7V DC, 850mAH (TX)
- Transmission: RF
- Modulation type: FSK
- Frequency: 434.3MHz
- Remote Distance: 20 meters
- Wireless
- Automatic parameter memory
- Totally 96 re call full-color
- 256 step speed
- Can adjust the brightness from 0 to 100%
- Size for remote control: 126mm*55mm*16mm
- Size for receptor: 145mm*20mm*18mm
- Includes with 1.5meter length USB connecter
- It comes with rechargeable lithium batteries inside
- 1 years warranty

**Application Sites**

- Building Decoration: Business spaces,airports,subway;
- Indoor Decoration: Lighting and back lighting for hospital, hotel, marketplace, square, dining-room, pub and etc.;
- AD solid Word,sign and mark,signboard and billboard;
- Be used as big area back lighting source.

Remove control interface instruction

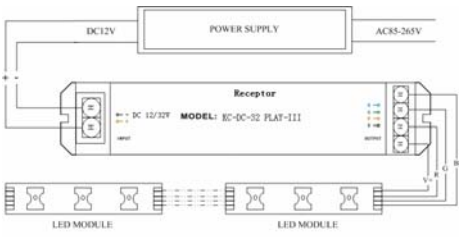
1. Color wheel
2. Power on/off
3. P for multi color setting
4. Brightness +
5. Brightness -
6. Speed +
7. Speed -
8. M memory for start flashing
9. 1-10 channels
10. USB connetor for charger

Play IV-KS-RGB-04

Receptor interface instruction

1. DC input 12-32VDC
2. Indicator light
3. Learn button
4. RGB output
5. Plus output

**Wiring Diagram**




**General Instruction：**

n) Press ON/OFF button, the backlighting of controller will be on

o) Controller need to “ learn “ the receptor first, click the learn button of receptor with a nib, indicator light on the receptor will be on. press any number “0-9” from number region in controller, and touch any color from color wheel, indicator light of the receptor you clicked will flashing about 1-2 seconds, which means receptor already recognised the “Number” from controller. other receptors can be “ Learned “ in the same way.

p) Max 10 Channels for one Play IV sender. Each channel can learn many pcs of receptors.

q) The distance between receptors must be over 0.5 meter.

r) There are 3 channel RGB control on the receptor , the max current of each channel up to 3 A, If it is not enough for power consumption, you can use data repeater to get synchronous changing signal.

s) Remote controller will be in sleeping mode if no operation within 10 seconds. You need to activate on/off button for operate.

t) After setting finished, keep the controller within 20 meters from recepter.

**A. Single color setting：**

g) After on the controller, press any number from “0-9” on the sender, the color scene connected to the receptor which already recognized the number from controller will be changed and can be adjusted by slightly moving your finger from the left or from the right on the color wheel. .

h) Once the color scene has been selected, simply press + or – to adjust light intensity.

i) The system is activated by the on/off key. This shall also recall the last color scene when re-activated, just press the number key of receptor on the sender.

j) Any color need to change the color or brightness had to press the Number(1-9) . then can control the channel.

**B. Waving Effect setting：**

a) To get waving effect , users need to install at least **2**pcs of Receptor to perform the function.

b) When the color scene has been selected,simply press **+** or _ to adjust color intensity.

c) Press “**<**”“**>**” between “**M**”, you can control the speed of jumping, when press speed button, please wait for about 5 seconds until all receptors received the signal from controller

d) After setting the program, please restart the Controller again and Press “M” to get the waving effect you selected before.

e) the system is activated by the on/off key. This shall also recall the last color scene when re-activated,

just press the number key of receptor on the sender.

**Warning:**

The hand held controller is operated by light touch only. Heavy pressing or using sharp or solid objects is not recommended as this could damage the unit. In case the system does not respond to selections made, simply check batteries, the RED led will flashing in remove controller if power is empty. Batteries can be recharged by computer or recharger. After recharging finished. the Blue LED will OFF.

Do not submerse the hand held controller in water or allow any liquid to come in contact with it, as this will damage the unit unusable. The hand held controller can be cleaned by using a damp cloth only.

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FCC ID: WTL032

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*Reorient the receiving antenna.*

*Increase the separation between the equipment and receiver.*

*Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.*

*Consult the dealer or an experienced radio/TV technician for help.*

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